



**Science
Class 8**

**Topic: Food Chains and Food Web
Reinforcement Worksheet**

Name: _____ Sec: _____ Date: _____

Q.1 Choose the best answer.

1. Which food chain correctly describes the flow of energy in an ecosystem?

- a) Grass-->cow-->human
- b) Caterpillar-->leaf-->human.
- c) Cow-->grass-->human
- d) Leaf-->bird-->caterpillar

2. Look at the following food chain and identify the secondary consumer.

Water weeds → pond snail → great diving beetle → heron

- a) Heron
- b) Pond Snail
- c) Great diving beetle
- d) Water weeds

3. Which of the following characteristic helps water hyacinth to float on water?

- a) Air spaces
- b) Waxy leaves
- c) Succulent stem
- d) Tendrils

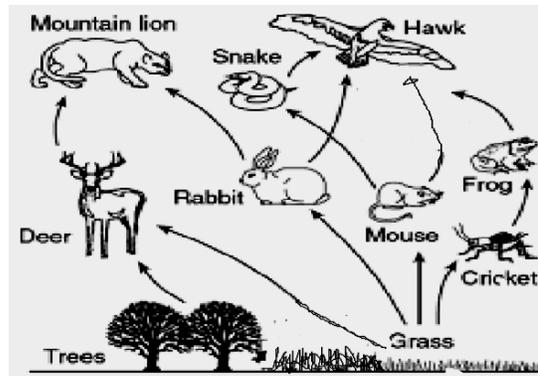
4. The term used to describe how plants and animals depend on each other:

- a) Interlinked
- b) Interdependent
- c) Dependence
- d) Independent

Q.2 Match Column A with Column B and write the answer in Column C.

Column A	Column B	Column C
1. food web	A. micro-organism which breaks down dead and waste matter into simpler substances	
2. decomposers	B. contamination of an environment especially by waste	
3. behavioral adaptation	C. a network of interconnected food chains	
4. pollution	D. animals feeding on plants	
5. herbivore	E. hibernation	

Q.3 Look at the food web and answer the following questions.



- a. Identify the:
- I. Consumers: _____
 - II. Predators: _____

b. What would happen to the population of snake if all the mice are killed?

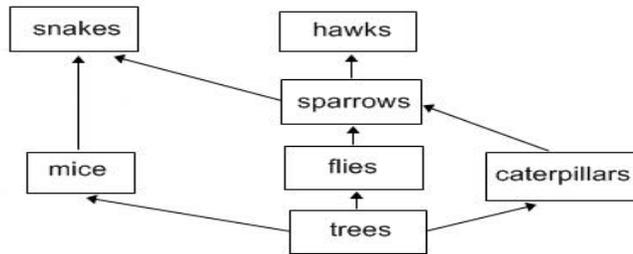
c. Identify an organism in the given food web which is both a predator and a prey.

Q.4a A community in which barn owls and snakes consume only mice is being observed. If the number of snakes increases, what is most likely to happen?

b) Why producers are always found at the beginning of a food chain?

c) Why pesticides are said to “move up the food chain”.

Q.5a Look at the food web and answer the following questions.



Complete the following sentences using the words increase or decrease to describe what will happen to the food web.

- i. If the population of sparrows decreases then the population of caterpillars will: _____.
- ii. If mice increase in number, then the number of snakes will: _____.

b. Look at the food chain given below. The numbers in brackets show how many of each organism was found in each chain. Make a pyramid using this information:

- i) Lettuce (14) → slug (8) → hedgehog (1)

- ii) rose bush (1) → greenfly (26) → bird [6]

Q.6 Answer the riddle.

1. I am a fungus. I break down dead plants and animals.
What am I? _____
2. I am a tree. I make my own food. What am I? _____
3. I am a living thing that cannot make food. What am I? _____
4. I am a bear. I eat berries and fish. What am I? _____